

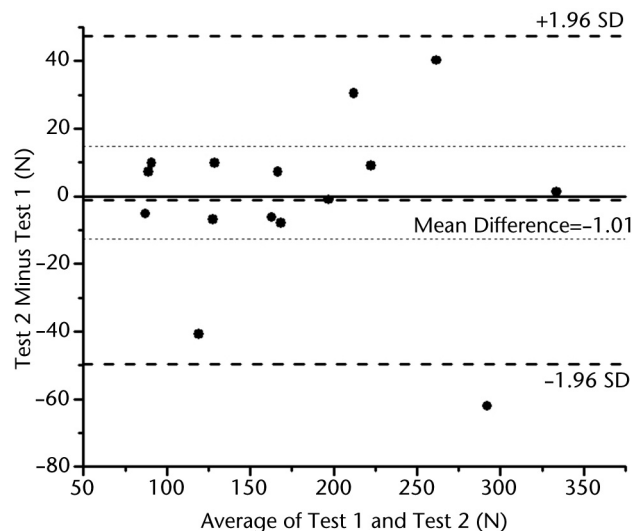
Hip Abductor Strength and Physical Function After Unilateral Total Knee Arthroplasty

eTable.

Hierarchical Linear Regression Predicting Physical Function With Hip Abductor Strength Entered as an Independent Variable Before Quadriceps Muscle Strength (N=210)^a

Dependent Variable	Step	Independent Variable	R	R ²	ΔR ²	ΔF	P
TUG	1	Height, weight, age, sex, non-op knee pain	.548	.30	.30	17.42	<.001
	2	Op hip abductor strength	.585	.343	.043	13.07	<.001
	3	Op quadriceps strength	.616	.379	.036	11.78	.001
SCT	1	Height, weight, age, sex, non-op knee pain	.632	.399	.399	26.95	<.001
	2	Op hip abductor strength	.669	.448	.049	17.82	<.001
	3	Op quadriceps strength	.717	.514	.067	27.54	<.001
6MWT	1	Height, weight, age, sex, non-op knee pain	.671	.450	.450	33.25	<.001
	2	Op hip abductor strength	.691	.477	.027	10.32	.002
	3	Op quadriceps strength	.731	.534	.057	24.66	<.001
KOS-ADLS	1	Height, weight, op knee pain, non-op knee pain	.757	.573	.573	68.36	<.001
	2	Op hip abductor strength	.763	.582	.009	4.49	.035
	3	Op quadriceps strength	.773	.598	.016	7.87	.006
GRS	1	Height, weight, op knee pain, non-op knee pain	.522	.273	.273	18.94	<.001
	2	Op hip abductor strength	.525	.277	.004	1.23	.269
	3	Op quadriceps strength	.527	.278	.000	0.13	.718

^a TUG=Timed "Up & Go" Test, non-op="nonoperated" (ie, the limb that had not undergone surgery), Op="operated" (ie, the limb that had undergone surgery), SCT=Stair Climbing Test, 6MWT=Six-Minute Walk Test, KOS-ADLS=Knee Outcome Survey Activities of Daily Living Scale, GRS=Global Rating Scale.



eFigure.

Bland-Altman plot of the difference (vertical axis) versus the mean (horizontal axis) for measurements obtained in the first testing session (test 1) and in the second testing session (test 2). The middle large-dash line (— — —) represents the mean difference between the 2 testing sessions. The upper and lower large-dash lines represent the 95% limits of agreement. The upper and lower small-dash lines (— · — · —) represent the 95% confidence interval of the mean difference between the 2 testing sessions. The solid line represents the line over 0 (the line of equality).